

Q1/ Show the differences and similarities between TSM AP6 and TSM AP7 depending on the tectonic setting and depositional characterization.

Q2/ Show the differences and similarities between TSM AP8 and TSM AP9 depending on the tectonic setting and depositional characterization.

Q3/ A- Write the lithologic composition of the following formations:

1) Chia Zairi Formation, 2) Zor Hauran Formation, 3) Sarki Formation, 4) Muhaiwir Formation, 5) Gotnia Formation.

B- What are the boundary natures of the following formations?

1) Beduh Formation, 2) Najmah Formation, 3) Mirga Mir Formation, 4) Geli Khana Formation, 5) Kurra Chine Formation.

Q4/ A- Determine the probable ages of the following formations:-

1) Ga'ara Formation, 2) Mus Formation, 3) Sargelu Formation, 4) Naokelekan Formation, 5) Hussainiyat Formation.

B- What are the depositional environments of the following formations:

1) Zubair Formation, 2) Sarmord Formation, 3) Balambo Formation, 4) Mauddud Formation, 5) Nahr Umer Formation

Q5/ Write about the tectonstratigraphic megasequence AP6 and list the including formations.

Q6/ Write about the tectonstratigraphic megasequence AP7 and list the including formations.

Q7/ Write about the tectonstratigraphic megasequence AP8 and list the including formations.

Q8/ Write about the tectonstratigraphic megasequence AP9 and list the including formations.

Q9/ List the formations of the TSM AP6 and describe one of them in detail.

Q10/ List the formations of the TSM AP7 and describe one of them in detail.

Q11/ List the formations of the TSM AP8 and describe one of them in detail.

Q12/ List the formations of the TSM AP9 and describe one of them in detail.

Q13/ Describe in detail the following formations:

A- Sarki Formation

B- Sargelu Formation

Q13/ Describe in detail the following formations:

A- Geli Khana Formation

B- Kurra Chine Formation

Q14/ Describe in detail the following formations:

A- Beduh Formation

B- Baluti Chine Formation

Q15/ Describe in detail the following formations:

A- Nejmah Formation

B- Gotnia Formation

Q16/ Describe in detail the following formations:

A- Sarki Formation

B- Sehkanian Formation

Q14/ Describe in detail the following formations:

A- Qamchuqa Formation

B- Sarmord Formation

Q14/ Describe in detail the following formations:

A- Nahr Umer Formation

B- Mauddud Formation

Q15/ Describe in detail the following formations:

A- Mulussa Formation

B- Zor Hauran Formation

Q16/ Describe in detail the following formations:

A- Naokelekan Formation

B- Barsarin Formation

Q17/ Describe in detail the following formations:

A- Beduh Formation

B- Baluti Chine Formation

Q18/ Describe in detail the following formations:

A- Balambo Formation

B- Kometan Formation

Q19/ Describe in detail the following formations:

A- Dokan Formation

B- Gulneri Formation

Q19/ Describe in detail the following formations:

A- Rumaila Formation

B- Ahmadi Formation

Q20/ Describe in detail the following formations:

A- Tanuma Formation

B- Khasib Formation

Q21/ Describe in detail the following formations:

A- Beduh Formation

B- Baluti Formation

Q22/ Describe in detail the following formations:

A- Tanjero Formation

B- Shiranish Formation

Q23/ Describe in detail the following formations:

A- Hartha Formation

B- Tayarat Chine Formation

Q24/ List the sequences of the TSM AP6, TSM AP7, TSM AP8, and TSM AP9.

Q25/ List the formations of the TMS AP7 and describe one of them in detail.

Q26/ List the formations of the TMS AP8 and describe one of them in detail.

Q27/ List the formations of the TMS AP9 and describe one of them in detail.

Q28/ A- Write the lithologic composition of the following formations:

1) Kometan Formation, 2) Aqra Formation, 3) Bekhma Formation, 4) Hartha Formation, 5) Tanjero Formation.

B- Determine the probable ages of the following formations:

1) Ratawi Formation, 2) Yamama Formation, 3) Chia Gara Formation, 4) Balambo Formation, 5) Sarmord Formation.

Q29/ A- What are the depositional environments the following formations:

1) Ga'ara Formation, 2) Kurra Chine Formation, 3) Baluti Formation, 4) Ubaid Formation, 5) Butmah Formation

B- What are the boundary natures between following formations?

1) Ratawi Formation and Zubair Formation

2) Shuaiba Formation and Nahr Umr Formation

3) Mauddud Formation and Rutba Formation

4) Kometan Formation and Tanjero Formation

5) Sa'di Formation and Hartha Formation

Q30/ Write about the tectonstratigraphic megasequence AP5 with including formation. (5 Marks)

Q31/ Describe in detail the following formations: (6 Marks)

- 1- Tanjero Formation
- 2- Chia Gara Formation

Q31/ Explain briefly the tectonic events of the Arabian Plate from TMS AP5 to TMS AP9.

Q32/ Mention the formations of with brief lithologic composition of TSM AP7 at the High Folded and Thrust Zones

Q33/ Mention the formations of with brief lithologic composition of TSM AP8 at the High Folded and Thrust Zones.

Q34/ Mention the formations of with brief lithologic composition of TSM AP9 at the High Folded and Thrust Zones.

Q35/ What are the formations belonging to the Late Permian-Mid Triassic Sequence and describe one of them?

Q36/ What are the formations belonging to the Late Triassic Sequence and describe one of them?

Q37/ What are the formations belonging to the Early Jurassic Sequence and describe one of them?

Q38/ What are the formations belonging to the Late Jurassic Sequence and describe one of them?

Q39/ What are the formations belonging to the Late Tithonian- Hauterivian Sequence and describe one of them?

Q40/ What are the formations belonging to the Albian Sequence and describe one of them?

Q41/ What are the formations belonging to the Cenomanian- Early Turonian Sequence and describe one of them?

Q42/ What are the formations belonging to the Late Turonian-Early Campanian Sequence and describe one of them?

Q43/ What are the formations belonging to the Late Campanian-Maastrichtian Sequence and describe one of them?

Q44/ What are the probable age of the following formations:-

- a- Sarki Formation
- b- Kurra China Formation
- c- Chia Zairi Formation
- d- Geli Khana Formation

Q45/ What are the probable age of the following formations:-

- a- Sargelu Formation
- b- Barsarin Formation
- c- Chia Gara Formation
- d- Lower Sarmord Formation

Q46/ What are the probable age of the following formations:-

- a- Lower balambo Formation
- b- Qamchuqa Formation
- c- Dokan Formation
- d- Kometan Formation

Q47/ What are the probable age of the following formations:-

- a- tanjero Formation
- b- Aqra Formation
- c- Bekhma Formation
- d- Shiranish Formation

Q48/ List the sequences of the TSM AP7, TSM AP8, and TSM AP9.

Q49/ What are the probable formations of the Jurassic period in the High Folded and Thrust zones with clarifying their boundary natures.

Q50/ What are the probable formations of the Cretaceous period in the High Folded and Thrust zones with clarifying their boundary natures.

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